

M E M O R A N D U M

December 29, 1975

To: Bruce Johnson

From: Allen Moore

Subject: Wastewater Discharge from Weyerhaeuser
Mechanical Pulp Plant Outfall #004

It is my understanding that upon completion of the new Weyerhaeuser thermo-mechanical sulfite pulping plant at Everett only outfall #001 would contain process water. Outfall #004 would discharge only storm runoff water. Observations of outfall #4 over the past three months are as follows:

October 17, 1975, 8:35 A.M. Effluent is orange-brown colored with a surface sheen of oil. Effluent contains large amounts of white chunks of processed pulp. Beach seine had to be aborted because huge amounts of settled pulp filled net making fish count impossible.

November 20, 1975, 9:45 P.M. Pulp in discharge. A layer of pulp 1/2 to 1 inch thick on beach around outfall. Large amounts in seine. Fish count inaccurate because animals lost in mass of pulp.

December 17, 1975, 9:00 P.M. Large amounts of pulp up to one inch thick on beach within 100 feet of outfall. Lots of pulp coming out of outfall. Effluent temperature in excess of 100°F. Effluent stream giving off large amounts of steam as it flows across the beach towards the water.

In all cases the flow was approximately 120 to 180 gallons per minute. The sludge bed formed by the pulp severely inhibits my beach seining in the area. Also an esthetic problem is created by the sludge beds exposed at low tide and also by the hydrogen sulfide gas given off at low tide by the decomposing sludge. The beach surface near the outfall is a soft, black, smelly muck at least one and one-half feet deep.

AWM:ee